

<b>TEST REPORT</b> <b>EN 60950-1:2006</b> <b>Safety of information technology equipment</b> <b>Part 1-General requirements</b>	
Report reference No .....	RSZ08070102-3
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Date of issue .....	2008-07-11
Testing laboratory .....	Bay Area Compliance Laboratories Corp. (Shenzhen)
Address .....	6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong, P.R.China
Testing location .....	As above
Applicant1 .....	Shenzhen Guo Wei Electronics Co. Ltd.
Address .....	No.68 Guo Wei Road, Liantang Industrial District, Shenzhen, the P.R.C
Applicant2 .....	---
Address .....	---
Standard .....	EN 60950-1:2006
Test procedure .....	LVD Scheme
Test sample(s) received.....	2008-07-09
Test in period.....	2008-07-09 To 2008-07-10
Procedure deviation .....	N.A.
Non-standard test method .....	N.A.
<p>This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Shenzhen). This report <b>must</b> not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.</p>	
Type of test object .....	DECT Cordless Phone
Trademark .....	---
Model/type reference .....	DECT20-C08
Manufacturer.....	Shenzhen Guo Wei Electronics Co. Ltd.
Rating .....	Supplied by 7.5V d.c/300mA LPS adapter or built-in 2* "AAA" 1.2Vd.c/550mAh type Ni-MH rechargeable batteries

Copy of marking plate:

DECT Cordless Phone  
Model : DECT20-C08  
Input : Supplied by 7.5V d.c/300mA LPS adapter or built-  
in 2\* "AAA" 1.2Vd.c/550mAh type Ni-MH rechargeable  
batteries  
Serial No.:XXXXXX



Shenzhen Guo Wei Electronics Co. Ltd.  
Made in China

Possible test case verdicts:

- test case does not apply to the test object.....N(.A.)
- test object does meet the requirement.....P(ass)
- test object does not meet the requirement.....F(ail)

General remarks:

"(see remark #)" refers to a remark appended to the report.

(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

The test results presented in this report relate only to the object tested.

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#### **GENERAL INFORMATION:**

##### **1. Factory information:**

**Factory:** Shenzhen Guo Wei Electronics Co. Ltd.


**Address:** No.68 Guo Wei Road, Liantang Industrial District, Shenzhen, the P.R.C

##### **2.Manufacturer's name or trade-mark of identification mark:**

**Manufacturer's name:** Shenzhen Guo Wei Electronics Co. Ltd.

**Trade-mark:** ---

EN 60950-1			
Clause	Requirement – Test	Result - Remark	Verdict
1	General		P
1.5.	Component		P
1.5.1	General	(see appended table 1.5.1)	P
1.5.2	Evaluation and testing of components	<p>Certified components are used in accordance with their ratings, certifications and they comply with applicable parts of this Standard.</p> <p>Components not certified are used in accordance with their ratings and they comply with IEC60950 and the relevant component Standard.</p> <p>Components, for which no relevant IEC Standard exist, have been tested under the condition occurring in the equipment, using applicable parts of IEC60950.</p>	P
	Dimension (mm) of main plug for direct plug-in:	No main plug is used.	N
	Torque and pull test of main plug for direct plug-in; Torque (Nm), Pull (N):		N
1.5.3	Thermal controls	No thermal controls.	N
1.5.4	Transformers		N
1.5.5	Interconnecting cables	Interconnecting cables comply with the relevant requirements of this standard.	P
1.5.6	Capacitors in primary circuits		N
1.5.7	Double insulation or reinforced insulation bridged by components		N
1.5.7.1	General		N
1.5.7.2	Bridging capacitors	Not used.	N
1.5.7.3	Bridging resistors	Not used.	N
1.5.7.4	Accessible parts		N
1.5.8	Components in equipment for IT power distribution systems	Not for IT power distribution system	N
1.5.9	Surge suppressors		P
1.5.9.1	General		P
1.5.9.2	Protection of VDRs	VDE approval varistor used.	P
1.5.9.3	Bridging of functional insulation by a VDR		P
1.5.9.4	Bridging of basic insulation by a VDR		N

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Clause	Requirement – Test	Result - Remark	Verdict
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	No such parts bridging double and reinforced insulation.	P
1.6	POWER INTERFACE		P
1.6.1	AC power distribution systems		P
1.6.2	Input current	The steady state current did not exceed rated current more than 10% in normal load condition.see appendix table 1.6.2	P
1.6.3	Voltage limit of hand-held equipment	Not exceed 250V.	P
1.6.4	Neutral conductor		N
1.7	MARKINGS AND INSTRUCTIONS		P
1.7.1	Power rating		P
	-rated voltage or rated voltage range,in volts	7.5Vd.c.(base)	P
	-symbol for nature of supply, for d.c. only		P
	-rated frequency of rated frequency range,in hertz,unless the equipment is designed for d.c. only		N
	-rated current, in milliamperes or amperes	300mA	P
	-manufacturer's name or trade-mark of identification mark	Shenzhen Guo Wei Electronics Co. Ltd	P
	-manufacturer's model or type reference	DECT20-C08	P
	-symbol (60417-1-IEC-5172), for class II equipment only	Class III equipment	N
	-certification mark	CE	P
1.7.2	Safety instructions	User manual and safety instruction make available to user.	P
	- a warning that excessive sound pressure from earphones and headphones can cause hearing loss.		N
	-for permanently connected equipment, a readily accessible disconnect device shall be incorporated in the building installation wiring	Not permanently connected equipment.	N
	-for plug able equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible		N
1.7.3	Marking of rated operating time, or rated operation time and resting time	The equipment is intended for continuous operation.	N
1.7.4	Method of voltage adjustment is fully described	No voltage setting/frequency setting.	N
1.7.5	Marking of maximum load be permitted to be	No standard power outlet	N

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Clause	Requirement – Test	Result - Remark	Verdict
	connected shall be placed in the vicinity of the outlet	is provided.	
1.7.6	Fuse identification	No fuse is used	N
1.7.7	Wiring terminals		N
1.7.7.1	Right marking of protective and bonding terminals		N
1.7.7.2	Terminals for a.c. mains supply conductors		N
1.7.7.3	Terminals for d.c. mains supply conductors		N
1.7.8	Controls and indicators	See below.	P
1.7.8.1	Identification, location and marking	No indicators, switches and other controls affecting safety provided.	N
1.7.8.2	Colours		N
1.7.8.3	Symbols		N
1.7.8.4	Marking using figures		N
1.7.9	Insulation of multiple sources		N
1.7.10	IT power distribution systems	Not intended for using on IT power system.	N
1.7.11	Thermostats and other regulating devices		N
1.7.12	Language	English	P
1.7.13	Durability	The label was rubbed with cloth soaked with water for 15s and then again for 15s with the cloth soaked with petroleum spirit. After tested the label is legible without any damage. The marking on the label did not fade. There was no curling nor lifting of the label edge.	P
1.7.14	Removable parts	No marking is located on a removable parts.	P
1.7.15	Replaceable batteries		P
1.7.16	Operator access with a tool		N
1.7.17	Equipment for restricted access locations		N

2.	PROTECTION FROM HAZARDOUS		P
2.1	Protection from electric shock and energy hazards		P
2.1.1	Protection in operator access areas		P
2.1.1.1	Access to energized parts		N
	Test by inspection	Inspected	P
	Test with test finger	The test finger was unable to contact bare	N

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Clause	Requirement – Test	Result - Remark	Verdict
		hazardous parts,basic insulation,ELV circuits.	
	Test with test probe	The test probe was unable to contact TNV bare parts of connectors.	P
	Test with test pin		N
2.1.1.2	Battery compartments	The TNV CIRCUIT is not accessible when the battery cover is closed.	P
2.1.1.3	Access to ELV wiring	No internal wiring at ELV.	N
	Working voltage (V); distance (mm) through insulation		N
2.1.1.4	Access to hazardous voltage circuit wiring		N
2.1.1.5	Energy hazards	No energy hazard present.	N
2.1.1.6	Manual controls		N
2.1.1.7	Discharge of capacitors in equipment		N
	Time constant (s); measured voltage (V)		---
2.1.2	Protection in service access areas	Hazardous bare parts are guarded and unintentional contact with such parts is unlikely during servicing operations involving other parts of equipment.	P
2.1.3	Protection in restricted access location		N
2.2	SELV CIRCUITS		N
2.2.1	General requirements	SELV circuit supplied by approval LPS adapter.	N
2.2.2	Voltages under normal conditions		N
2.2.3	Voltages under fault conditions		N
2.2.3.1	Separation by double insulation or reinforced insulation(method 1)		N
2.2.3.2	Separation by earthed screen( method 2)		N
2.2.3.3	Protection by earthing of the SELV circuits to other circuit		N
2.2.4	Connection of SELV circuits to other circuits		N
2.3	TNV CIRCUITS		P
2.3.1	Limits		P
	Type of TNV circuits	TNV-3 circuit.	---
2.3.2	Separation from other circuits and from accessible	Enclosure	P

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Clause	Requirement – Test	Result - Remark	Verdict
	parts		
	Insulation employed	Basic	---
2.3.3	Separation from hazardous voltage		P
	Insulation employed	No other hazardous voltage present.	---
2.3.4	Connection of TNV circuits to other circuits	TNV circuits only connected to other TNV circuits.	P
	Insulation employed	Function insulation.	---
2.3.5	Test for operating voltages generated externally		N
2.4	Limited current circuits		N
2.4.1	General requirements		N
2.4.2	Limit values		N
	Frequency (Hz)		---
	Measured current (mA)		---
	Measured voltage (V)		---
	Measured capacitance ( $\mu\text{F}$ )		---
2.4.3	Connection of limited current circuits to other circuits		N
2.5	Limited power source		N
	Inherently limited output		N
	Impedance limited output		N
	Overcurrent protective device limited output		N
	Regulating network limited output under normal operating and single fault condition		N
	Regulating network limited output under normal operating condition and overcurrent protective device limited output under single fault condition		N
	Output voltage (V); output current (A); apparent power (VA)		---
	Current rating of overcurrent protective device (A)		---

2.6	PROVISIONS FOR EARTHING AND BONDING		N
2.6.1	Protective earthing		N
2.6.2	Functional earthing		N
2.6.3	Protective earthing and protective bonding conductors		N
2.6.3.1	General requirements		N
2.6.3.2	Size of protective earthing conductors		N
	Rated current (A); cross sectional area ( $\text{mm}^2$ ), AWG		---

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Clause	Requirement – Test	Result - Remark	Verdict
2.6.3.3	Size of protective bonding conductors		N
	Rated current (A); cross sectional area (mm <sup>2</sup> ), AWG		---
2.6.3.4	Rated current (A); type and nominal thread diameter (mm);		N
	Resistance (Ohm) of earthing conductor and their terminations; test current (A)		N
2.6.3.5	Colour of insulation		N
2.6.4	Terminals		N
2.6.4.1	General		N
2.6.4.2	Protective earthing and bonding terminals		N
	Rated current (A); type and nominal thread diameter (mm);		---
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		N
2.6.5	Integrity of protective earthing		N
2.6.5.1	Interconnection of equipment		N
2.6.5.2	Components in protective earthing and protective bonding conductors		N
2.6.5.3	Disconnection of protective earth		N
2.6.5.4	Parts that can be removed by an operator		N
2.6.5.5	Parts removed during servicing		N
2.6.5.6	Corrosion resistance		N
2.6.5.7	Screws for protective bonding		N
2.6.5.8	Reliance on telecommunication network or cable distribution system		N

2.7	OVERCURRENT AND EARTH FAULT PROTECTION IN PRIMARY CIRCUITS		N
2.7.1	Basic requirements		N
	Instructions when protection relies on building installation		N
2.7.2	Faults not covered in 5.3		N
2.7.3	Short-circuit backup protection		N
2.7.4	Number and location of protective devices		N
2.7.5	Protection by several devices		N
2.7.6	Warning to service persons		N

2.8	SAFETY INTERLOCKS		N
2.8.1	General principles		N



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Clause	Requirement – Test	Result - Remark	Verdict
2.8.2	Protection requirements		N
2.8.3	Inadvertent reactivation		N
2.8.4	Fall-safe operation		N
2.8.5	Moving parts		N
2.8.6	Overriding		N
2.8.7	Switches and relays		N
2.8.7.1	Contact gaps		N
2.8.7.2	Overload test		N
2.8.7.3	Endurance test		N
2.8.7.4	Electric strength test		N
2.8.8	Mechanical actuators		N
2.9	Electrical insulation		P
2.9.1	Properties of insulation materials		P
2.9.2	Humidity conditioning	93% 30°C 48h	P
2.9.3	Requirements of insulation	Basic insulation	P
2.10	Clearances, creepage distances and distances through insulation		P
2.10.1	General		P
2.10.2	Determination of working voltage		N
2.10.3	Clearance		P
2.10.3.1	General	Complied with table 2H	P
2.10.3.2	Clearance in primary circuits	Evaluated in approval adapter.	N
2.10.3.3	Clearances in secondary circuits	Verified by electric strength test, see appendix table 5.2.	P
2.10.3.4	Measurement of transient voltage levels		N
2.10.4	Creepage distance	Complied with table 2L.	P
	CTI tests	Complied with table 2L.	---
2.10.5	Solid insulation		N
2.10.5.1	Minimum distance through insulation		N
2.10.5.2	Thin sheet material		N
	Number of layers (pcs)		---
	Electric strength test		---
2.10.5.3	Printed boards		N
	Distance through insulation		N

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Clause	Requirement – Test	Result - Remark	Verdict
	Electric strength test for thin sheet insulation material		---
	Number of layers (pcs).....		N
2.10.5.4	Wound components		N
	Number of layers		N
	Two wires in contact in side component; angle between 45° and 90°		N
2.10.6	Coated printed boards		N
2.10.6.1	General		N
2.10.6.2	Sample preparation and preliminary inspection		N
2.10.6.3	Thermal cycling		N
2.10.6.4	Thermal ageing		N
2.10.6.5	Electric strength test		N
2.10.6.6	Abrasion resistance test		N
	Electric strength test		---
2.10.7	Enclosed and sealed parts		N
	Temperature $T_1 = T_2 + T_{ma} - T_{amb} + 10K$		N
2.10.8	Spacings filled by insulating compound		N
	Electric strength		N
2.10.9	Component external terminations		N
2.10.10	Insulation with varying dimensions		N

<b>3</b>	<b>WIRING, CONNECTIONS AND SUPPLY</b>		P
3.1	General		P
3.1.1	Current rating and overcurrent protection		P
3.1.2	Protection against mechanical damage	Smooth wireway and free from edges.	P
3.1.3	Securing of internal wiring		P
3.1.4	Insulation of conductors	.	P
3.1.5	Beads and ceramic insulators	Equipment does not have any beads or similar insulators.	N
3.1.6	Screws for electrical contact pressure	No screws for electric contact.	N
3.1.7	Insulation materials in electrical connections		N
3.1.8	Self-tapping and spaced thread screws		N
3.1.9	Termination of conductors		N
3.1.10	Sleeving on wiring	No sleeving on wiring.	N

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Clause	Requirement – Test	Result - Remark	Verdict
3.2	Connection to an a.c. mains supply or a d.c. mains supply		N
3.2.1	Means of connection		N
3.2.1.1	Connection to an a.c. mains supply		N
3.2.1.2	Connection to a d.c. mains supply		N
3.2.2	Multiple supply connections		N
3.2.3	Permanently connected equipment		N
	Number of conductors, diameter (mm) of cable and conduits		---
3.2.4	Appliance inlets		N
3.2.5	Power supply cords		N
	Type		---
	Rated current (A); cross-sectional area (mm <sup>2</sup> ), AWG		---
3.2.6	Cord anchorages and strain relief		N
	Mass of the equipment (kg); pull (N)		---
	Longitudinal displacement (mm)		---
3.2.7	Protection against mechanical damage		N
3.2.8	Cord guards		N
	D (mm); test mass (g)		---
	Radius of curvature of cord (mm)		---
3.2.9	Supply wiring space		N
3.3	Wiring terminals for connection of external conductors		N
3.3.1	Wiring terminals		N
3.3.2	Connection of non-detachable power supply cords		N
3.3.3	Screw terminals		N
3.3.4	Rated current (A), cord/cable type, cross-sectional area (mm <sup>2</sup> )		N
3.3.5	Rated current (A), type and nominal thread diameter (mm)		N
3.3.6	Wiring terminal design		N
3.3.7	Grouping of wiring terminals		N
3.3.8	Stranded wire		N
3.4	Disconnection from the mains supply		N
3.4.1	General requirement		N
3.4.2	Disconnect devices		N
3.4.3	Permanently connected equipment	Not permanently connected equipment.	N

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Clause	Requirement – Test	Result - Remark	Verdict
3.4.4	Parts which remain energized		N
3.4.5	Switches in flexible cords		N
3.4.6	Single-phase and d.c. equipment		N
3.4.7	Three-phase equipment		N
3.4.8	Switches as disconnect devices		N
3.4.9	Plugs as disconnect devices		N
3.4.10	Interconnected equipment		N
3.4.11	Multiple power sources		N
3.5	Interconnection of equipment		P
3.5.1	General requirements		P
3.5.2	Types of interconnection circuits	SELV	P
3.5.3	ELV circuits as interconnection circuits	No ELV interconnection.	N
4	PHYSICAL REQUIREMENTS		N
4.1	Stability		N
	Angle of 10°	Not conducted	N
	Test: force (N).....	As above.	N
4.2	Mechanical strength		P
4.2.1	General		P
4.2.2	Steady force test, 10N		P
4.2.3	Steady force test, 30N	No internal enclosure.	N
4.2.4	Steady force test, 250N	Applied for top, side, bottom. No hazard	P
4.2.5	Impact test		N
4.2.6	Drop test	No hazards as a result of this test.	P
4.2.7	Stress relief test	No indication of distortion or shrinkage due to 70 °C, 7h stress relief test.	P
4.2.8	Cathode ray tubes	No cathode ray tubes.	N
	Picture tube separately certified		N
4.2.9	High pressure lamps		N
4.2.10	Wall or ceiling mounted equipment; force (N)		N

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Clause	Requirement – Test	Result - Remark	Verdict
4.3.	Design and construction		P
4.3.1	Edges and corners	All edges and corners are rounded or smoothed.	P
4.3.2	Handles and manual controls; force (N)		N
4.3.3	Adjustable controls		N
4.3.4	Securing of parts		P
4.3.5	Connection of plugs and sockets		N
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	N
	Torque; (Nm)		--
4.3.7	Heating elements in earthed equipment		N
4.3.8	Batteries	Corresponding warning is in user manual/	P
4.3.9	Oil and grease		N
4.3.10	Dust, powders, liquids and gases		N
4.3.11	Containers for liquids or gases		N
4.3.12	Flammable liquids		N
	Quantity of liquid (l)		---
	Flash point (°C)		---
4.3.13	Radiation, type of radiation		N
	Equipment using lasers		N
4.4	Protection against hazardous moving parts		N
4.4.1	General	No hazardous moving parts.	N
4.4.2	Protection in operator access areas		N
4.4.3	Protection in restricted access locations		N
4.4.4	Protection in service access areas		N
4.5	Thermal requirements		P
4.5.1	Temperatures rises	(See appended table 4.5)	P
	Normal load condition per Annex L		P
4.5.2	Resistance to abnormal heat	No such material used.	N
4.6	Openings in enclosures		P
4.6.1	Top and side openings	No vertical entry is permitted	P
	Dimension		---
4.6.2	Bottoms of fire enclosures		N

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Clause	Requirement – Test	Result - Remark	Verdict

	Construction of the bottom	Supplied by LPS adapter, comply with relevant requirements.	---
4.6.3	Doors of covers in fire enclosures		N
4.6.4	Openings in transportable equipment		N
4.6.5	Adhesives for constructional purposes		N
	Conditioning of temperature/time		N

4.7	Resistance to fire		P
4.7.1	Reducing the risk of ignition and spread of flame	Selection and application of components and materials which minimize the possibility of ignition and spread of flame.	P
4.7.2	Conditions for a fire enclosure		P
4.7.2.1	Parts requiring a fire enclosure		N
4.7.2.2	Parts not requiring a fire enclosure	The unit was supplied by LPS adapter and all parts mounted in flammability min. V-1 PCB.	P
4.7.3	Materials	V-1 fire enclosure cover all parts.	P
4.7.3.1	General		P
4.7.3.2	Materials for fire enclosures		P
4.7.3.3	Materials for components and other parts outside fire enclosures		N
4.7.3.4	Materials for components and other parts inside fire enclosures	All internal materials are rated V-2 Min and mount on V-1 PCB.	P
4.7.3.5	Materials for air filter assemblies		N
4.7.3.6	Materials used in high-voltage components		N

5	<b>ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS</b>		N
5.1	Touch current and protective conductor current		N
5.1.1	General		N
5.1.2	Equipment under test		N
5.1.3	Test circuit		N
5.1.4	Application of measuring instrument		N
5.1.5	Test procedure		N
5.1.6	Test measurements		N
	Test voltage		---

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Clause	Requirement – Test	Result - Remark	Verdict
	Measured current(mA)		---
	Max. Allowed current (mA)		---
5.1.7	Equipment with touch current exceeding 3.5mA		N
5.1.8	Touch currents to telecommunication networks and cabl distribution systems and from telecommunication networks		N
5.1.8.1	Limitation of the touch currents to telecommunication networks and cabl distribution systems and from telecommunication networks		N
	Test voltage		---
	Measured current(mA)		---
	Max. Allowed current (mA)		---
5.1.8.2	Summation of touch currents from telecommunication network		N
5.2	Electric strength		P
5.2.1	General	(See Appended table 5.2).	P
5.2.2	Test procedure		P
5.3	Abnormal operating and fault conditions		N
5.3.1	Protection against overload and abnormal operation		N
5.3.2	Motors		N
5.3.3	Transformers		N
5.3.4	Functional insulation	Functional insulation complies with the requirements (a), (b),or (c).	P
5.3.5	Electromechanical components		N
5.3.6	Simulation of faults		N
5.3.7	Unattended equipment		N
5.3.8	Compliance criteria for abnormal operating and fault conditions		N
<b>6</b>	<b>CONNECTION TO TELECOMMUNICATION NETWORKS</b>		<b>P</b>
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network,from hazards in the equipment		P
6.1.1	Protection from hazardous voltages		P
6.1.2	Separation of the telecommunicatio network from earth		---
6.1.2.1	Requirements		N
	Test voltage (V)	120V/60Hz	---

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Clause	Requirement – Test	Result - Remark	Verdict

	Current in test circuit (mA)	0.001mA	---
6.1.2.2	Exclusions		N

6.2	Protection of equipment users from over voltages on telecommunication networks		P
6.2.1	Separation requirements		P
6.2.2	Electric strength test procedure		P
6.2.2.1	Impulse test		N
6.2.2.2	Steady-state test		P
6.2.2.3	Compliance criteria		P

6.3	Protection of the telecommunication wiring system from overheating		N
	Max. output current (A)		---
	Current limiting method		---

<b>7</b>	<b>CONNECTION TO CABLE DISTRIBUTION SYSTEMS</b>		N
7.1	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltage in the equipment		N
7.2	Portection of equipment users from overvoltage on the cable distribution system		N
7.3	Insulation between primary circuits and cable distribution systems		N
7.3.1	General		N
7.3.2	Voltage surge test		
	Surge test voltage (V)/test time (s)		---
	Electric test voltage (V)		---
7.3.3	Imulse test		N
	Test voltage (V)/time (s)		---
	Electric test voltage (V)		---

<b>A</b>	<b>ANNEX A, TEST FOR RESITANCE TO HEAT AND FIRE</b>		N
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A.1	Flammability test for fire enclosures of movable equipment havin a total mass exceed		N
A.1.1	Samples, materials		---
	Wall thickness		---
A.1.2	Conditioning of samples		N
A.1.3	Mounting of samples		N



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Clause	Requirement – Test	Result - Remark	Verdict
A.1.4	Test flame		N
A.1.5	Test procedure		N
A.1.6	Compliance criteria		N
	Sample 1 burning times		---
	Sample 2 burning times		---
	Sample 3 burning times		---
A.2	Flammability test for fire enclosures of movable equipment having a total mass not exceeding 18kg, and for material and components located inside fire enclosure (see 4.7.3.2 and 4.7.3.4)		N
A.2.1	Samples, materials		N
	Wall thickness		N
A.2.2	Conditioning of samples		N
A.2.3	Mounting of samples		N
A.2.4	Test flame		N
A.2.5	Test procedure		N
A.2.6	Compliance criteria		N
	Sample 1 burning times		---
	Sample 2 burning times		---
	Sample 3 burning times		---
A.2.7	Alternative test acc. to IEC60695-2-2 cl. 4 and 8		N
	Sample 1 burning times		---
	Sample 2 burning times		---
	Sample 3 burning times		---
A.3	Hot flaming oil test(see 4.6.2)		N
B	annex b motor tests under abnormal conditions		N
B.1	General requirements		N
	Position		---
	Manufacturer		---
	Type		---
	Rated values		---
B.2	Test conditions		N

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Clause	Requirement – Test	Result - Remark	Verdict
B.3	Maximum temperatures		N
B.4	Running overload test		N
B.5	Locked-rotor overload test		N
	Test duration (days)		---
	Electric strength test: test voltage (V)		---
B.6	Running overload test for d.c.motors in secondary circuits		N
B.7	Locked-rotor overload test for d.c. motors in secondary circuits		N
B.7.1	Test procedure		N
B.7.2	Alternative test procedure, test time (h)		N
B.7.3	Electric strength test		N
B.8	Test for motors with capacitors		N
B.9	Test for three-phase motors		N
B.10	Test for series motors		N
	Opening voltage (V)		N
C	annex c transformer		N
	Position		N
	Manufacturer		N
	Type		N
	Rated values		N
	Method of protection		N
C.1	Overload test		N
C.2	Insulation		N
	Protection from displacement of windings		N
G	<b>ANNEX G. ANTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES</b>		N
G.1	Summary of the procedure for determining minimum clearances		N
G.2	Determination of mains transient voltage (V).....		N
G.3	Determination of telecommunication network transient voltage(V).....		N
G.4	Determination of required withstand voltage(V).....		N
G.5	Measurement of transient voltage levels (V).....		N
G.6	Determination of minimum clearances.....		N

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Clause	Requirement – Test	Result - Remark	Verdict
H	<b>ANNEX H. IONIZING RADIATION</b> (see 4.3.13)		N
	Ionizing radiation		N
	Measured radiation (mR/h)		---
	Measured high-voltage (kV)		---
	Measured focus voltage (kV)		---
	CRT markings		---
J	<b>ANNEX J. TABLE OF ELECTROCHEMICAL POTENTIALS</b> (see 2.6.5.6)		N
	Metal used.....		---
K	<b>ANNEX K. THERMAL CONTROLS</b> (see 1.5.3 and 5.3.7)		N
K.1	Making and breaking capacity		N
K.2	Thermostat reliability; operating voltage (V).....		N
K.3	Thermostat endurance test; operating voltage (V)..		N
K.4	Temperature limiter endurance; operating voltage (V).....		N
K.5	Thermal cut-out reliability		N
K.6	Stability of operation		N
M	<b>ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS</b>		N
M.1	Instruction		N
M.2	Method A		N
M.3	Method B		N
M.3.1	Ringing signal		N
M.3.1.1	Frequency (Hz).....		---
M.3.1.2	Voltage (V).....		---
M.3.1.3	Cadence; time (s); voltage (V).....		---
M.3.1.4	Single fault current (A).....		---
M.3.2	Tripping device and monitoring voltage.....		N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N
M.3.2.2	Tripping device		N
M.3.2.3	Monitoring voltage.....		N
U	<b>ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION</b>		N
	Separate test report		N

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Clause	Requirement – Test	Result - Remark	Verdict

1.5.1	Table: list of critical component			P
Object /Part No	Manufacturer/ Trade Mark	Type/ Model	Technical data	File No./Licence No.
Enclosure of main base and handset	Various	Various	HB, 60°C	UL
PCB For Main board	FU WAH ELECTRONIC TRADING CO.LTD	Various	94V-0,130°C	UL E252804
PCB For Main Keyboard				
Power Socket	LEAD CENTURY (DONGGUAN) ELECTRONIC TECHNOLOGY CO., LTD	C01-D80W-2A-UK	94V-0	UL
Tel Socket	LEAD CENTURY (DONGGUAN) ELECTRONIC TECHNOLOGY CO., LTD	B14-D20N-EU	94V-0	UL
Internal Wiring	Various	Various	VW-1,80°C	UL
Adapter	Shenzhen sure-power electrical co.,ltd	SW-075030EU	I/P:AC100-240V,50/60Hz,200mA O/P:DC7.5V/300mA	IEC 60950-1 and/or EN60950-1 1st
Ni-MH Battery	HUNAN KAIFENG NEW ENERGY CO.,LTD	NICKEL-METAL HYDRIDE SECONDARY BATTERY	SIZE AAA 1.2V550mAh	CE
VARISTOR	LIANSHUNELECTRONIC (HUIYANG)CO.,LTD	B14-D09N-1A-GM	VARISTOR VOLTAGE 192~242V	UL 207368 CSA LR11526 6 VDE 40005858

1.6.2	Table: Electrical data (in normal conditions)					P
Fuse#	I rated (mA)	U (V)	P (W)	I (mA)	I (fuse mA)	Condition /status
---	300	8.0	1.33	165.8	---	Charger condition
Supplementary information:						

2.10.3 and 2.10.4	Table: clearances and creepage distance measurements	N
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Clause	Requirement – Test			Result - Remark		Verdict
Clearances cl and creepage distance dcr at/of	Up (V)	Ur.m.s (V)	required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)
Supplementary information:						

2.10.5	Table: distance through insulation measurements			N
Distances through insulation di at/of	U r.m.s (V)	test voltage (V)	required di(mm)	di (mm)
Supplementary information:				

4.3.8	Table: Rechargeable battery			N
Battery Position.		Rated Max Charging Current(mA)	Test Charging Current(mA)	Result
Supplementary information:				

4.5.1	Table: temperature rise measurements			P
	Test voltage(V).....	7.5Vdc	---	
	t1(°C).....	26.5/26.1	---	
	t2(°C).....	26.9/26.4	---	
Temperature of part/at:		T(°C) A/B	Shift Tma(°C) to	Required (Tmax+Tamb-Tma) °C
Base Unit:		---	---	---
IC		40.3/38.2	53.4/51.8	105
PCB near IC		37.1/35.1	50.2/48.7	105
Tel jack		34.5/31.2	47.6/44.8	85
Power jack		37.7/32.7	50.8/46.3	85
Internal wire		37.3/32.3	50.4/45.9	80
Enclosure		32.2/29.6	45.3/43.2	60
Handset:		---	---	---
IC		33.0/29.8	46.1/43.4	105
PCB near IC		31.2/28.7	44.3/42.3	105
Internal wire		30.4/27.9	43.5/41.5	80
Key		29.3/26.7	42.4/40.1	95
Screen		28.0/26.5	41.1/39.9	95

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Clause	Requirement – Test	Result - Remark	Verdict

Enclosure	32.5/26.7	45.6/40.1	60
Supplementary information: Tma is 40°C in default manual. A: charger conditionB:speaker mode condition			

4.5.2	Table: ball pressure test of thermoplastic		N
	Allowed impression diameter (mm):.....	2mm	
part	Test temperature	d impression diameter (mm)	
Supplementary information:			

5.2	Table:electric strength tests and impulse tests		P
test voltage applied between		test voltage (V)	breakdown (Yes/No)
DC input and enclosure		707Vdc	No
TNV-3 port and enclosure of base		1000Vac	No
TNV-3 port and enclosure of telephone		1500Vac	No
Supplementary information:			

5.3	Table: fault condition test					N
ambient temperature (°C).....:						---
model/type of power supply.....:						---
manufacturer of power supply.....:						---
rated markings of power supply.....:						---
Component no.	Fault	Test voltage	Test time	Fuse no.	Input current (mA)	Result
Supplementary information: NHT: No High Temperature; NCD: No Component Damage;NFG no flammability gas.						

A. 6.5	Table: flammability test for classifying material V-0,V-1or V-2				N
sample No./ref.	afterflame time (s) t <sub>1</sub> or t <sub>2</sub>		Afterflame +afterglow (s) after 2nd flame application t <sub>2</sub> +t <sub>3</sub>		
Supplementary information:					

A.6.6	Table: flammability re-test for classifying material V-0,V-1or V-2			N
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Clause	Requirement – Test	Result - Remark	Verdict

sample No./ref.	afterflame time (s) $t_1$ or $t_2$	Afterflame +afterglow (s) after 2nd flame application $t_2+t_3$
Supplementary information:		

A.7.4 A.7.5 A.7.6 and A.7.7	Table: flammability test for classifying foam material HF-0,HF1or HBF			N
sample No./ref.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment
Supplementary information:				

A.7.8	Table: flammability re-test for classifying foam material HF-0,HF-1			N
sample No.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment
Supplementary information:				

A.7.9	Table: flammability re-test for classifying foam material HBF			N
sample No.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment
Supplementary information:				

A. 8.5	Table: flammability test for classifying materials HB		N
sample No..	flaming/glowing rate mm/min	flaming/glowing distance from reference mark (mm)	
Supplementary information:			

A.9.6	Table: flammability test for classifying material 5V				N
sample No.	test bars		test plaques		
	flaming+glowing time (s)	burning distance (mm)	position	flaming +glowing time (s)	burning distance (mm)
Supplementary information:					

## Appendix A - EUT Photos

### A.1 EUT photo-View 1 of unit



### A.2 EUT photo- View 2 of unit

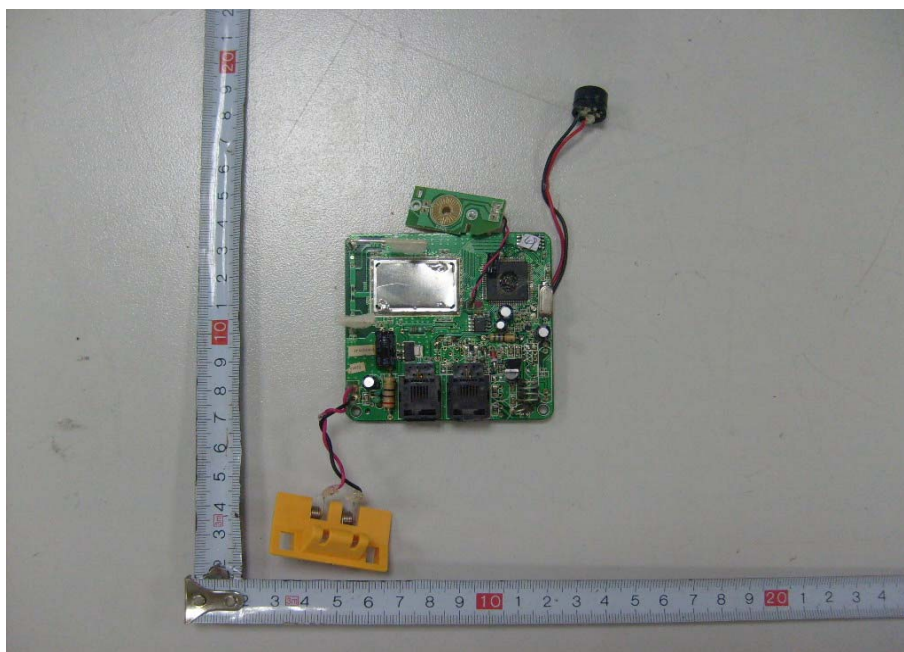




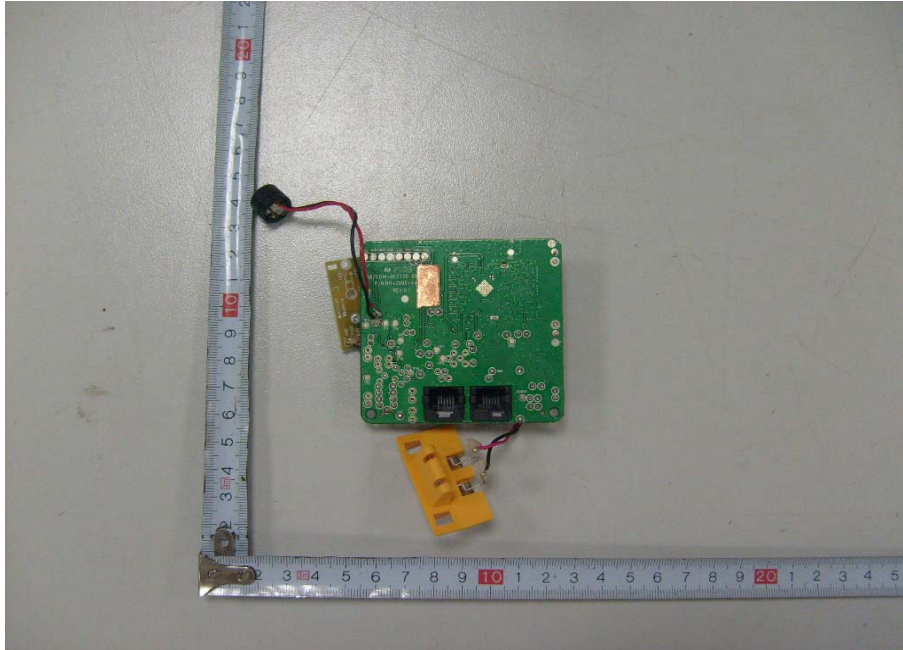
**A.3 EUT photo-bottom view of unit**



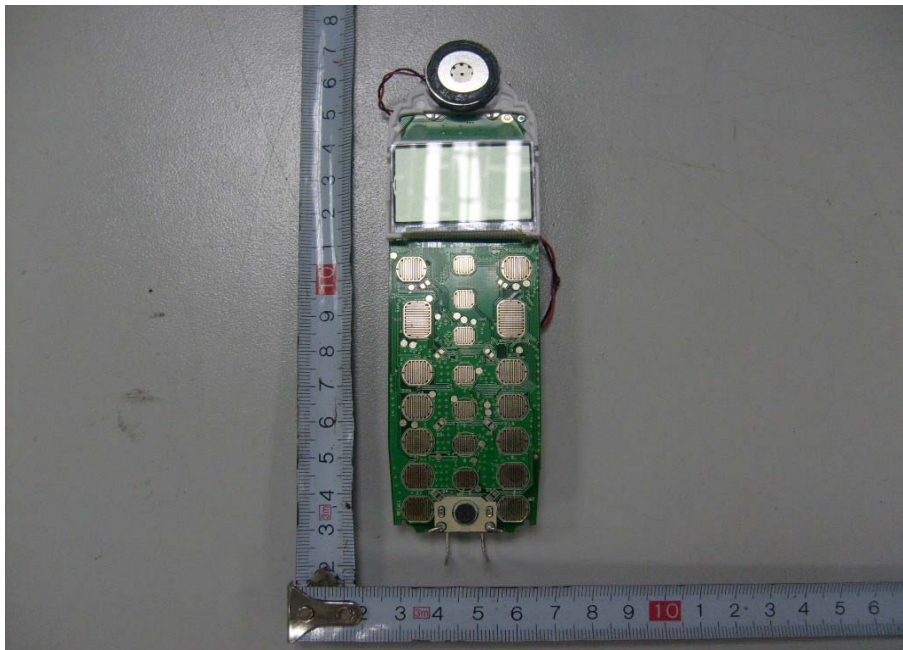
**A.4 EUT photo-base pcb front View of unit**



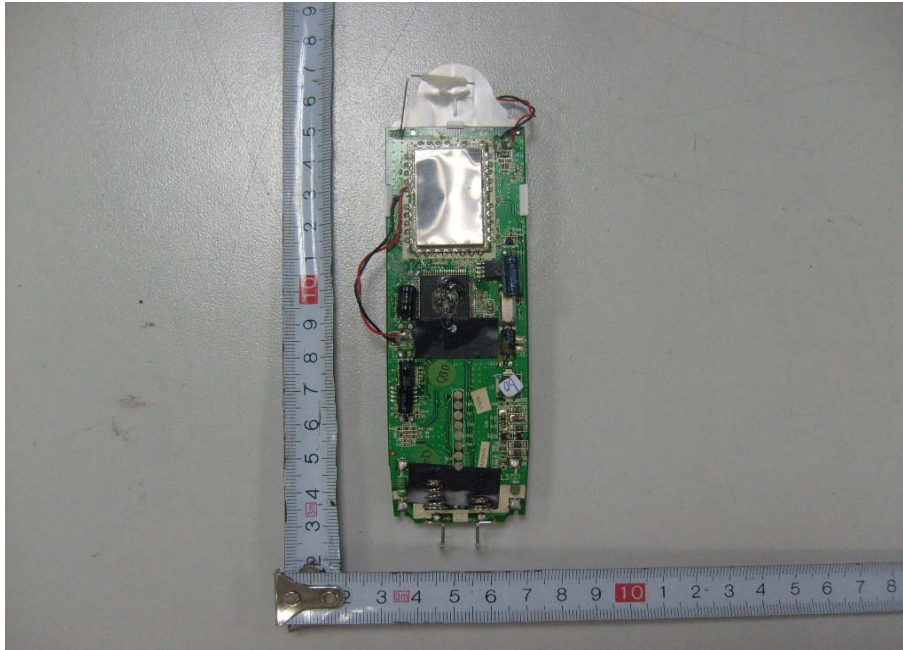
**A.5 EUT photo-base pcb bottom View of unit**



**A.6 EUT photo-handset pcb front View of unit**



**A.7 EUT photo-handset pcb bottom View of unit**



**A.8 EUT photo-handset batteries View**



## **APPENDIX B – USER’S MANUAL**



**APPENDIX C– CIRCUIT SCHEMATICS & PCB LAYOUT  
& ADAPTER CE REPORT & BATTERY SPEC AND CERTIFICATE**

## **APPENDIX D-TEST EQUIPMENTS LIST**